INDEX

A	steps.
activities matrix, 3-64	at tactical, operational, and strategic levels, 5-1
airfield requirements, B-14	definition 2-2
association matrix, 3-65	G2/S2 responsibilities, 1-1
attack guidance matrix, 1-10	general guidelines, B-1
attacks and raids, 6-12	How To Do It, 2-3
avenues of approach, 3-7, 3-45, 3-82	in Air Defense, 2-2, 4-1
definition, 2-18	in an Engineer unit, 4-10
factor in analyzing terrain, 2-10, 3-9, 3-12	in Artillery, 4-3
how to develop, 2-18	in Aviation, 4-4
OCOKA, 2-10	in CI and Counterreconnaissance, 4-7
В	in Electronic Warfare, 4-9
battlefield	in Intelligence, 4-13
and weather conditions, B-17	in NBC, 4-15
areas, 2-5	in operations other than war, 6-1 through 6-17
characteristics, 2-4, 2-26	in Signal Operations, 4-16
BDA products, 1-1	in Special Operations, 4-17
BOS synchronization matrix, A-13	in Rear Area and CSS, 4-19
brigade conventional defense, 3-43	Scenario 1, 3-3
building construction overlay, 3-81	Scenario 2, 3-44
C	Scenario 3, 3-56
collection management. See also IPB process.	Scenario 4, 3-77
as it relates to IPB, 1-9	Step 1 of IPB process, 1-1
collection requirements, 2-50	Describe the Battlefield Effects. See also IPB steps
combatting terrorism, 6-7	at tactical, operational, and strategic levels, 5-2
combined obstacle overlay, 3-5	5-3, 5-4
concealment and cover, 2-10	definition, 2-7
definition, 2-11	G2/S2 responsibilities, 1-2
factor in analyzing terrain, 2-10	general guidelines, B-2
overlay, 3-60	How To Do It, 2-8
OCOKA, 2-10	in Air Defense, 2-2, 4-1
counterinsurgency operations, 3-55	in an Engineer unit, 4-10
course of action (COA)	in Artillery, 4-3
examples of, 3-25 through 3-29, 3-36, 3-51	in Aviation, 4-4
how to develop, 2-41, 2-44	in CI and Counterreconnaissance, 4-7
critical weather values, 3-15	in Electronic Warfare, 4-9
D	in Intelligence, 4-13
decision making. See also IPB process.	in NBC, 4-15
as it relates to IPB, 1-6, 1-12	in operations other than war, 6-2 through 6-17
decision support template, A-13	in Signal Operations, 4-16
defensible terrain overlay, 3-9	in Special Operations, 4-18
Define the Battlefield Environment. See also IPB	in Rear Area and CSS, 4-19
Define the Dathenell Environment. Dec also II D	OCOKA, 6-13

FM 34-130

products developed in, 1-2	at tactical, operational, and strategic levels, 5-4, 5-5
Scenario 1, 3-5	definition, 2-29
Scenario 2, 3-45	G2/S2 responsibilities, 1-2
Scenario 3, 3-57	general guidelines, B-3
Scenario 4, 3-79	How to do it, 2-30
Step 2 of IPB process, 1-2	in Air Defense, 2-2, 4-2
Determine Threat COAs. See also IPB steps.	in an Engineer unit, 4-11
at tactical, operational, and strategic levels, 5-6, 5-7	in Artillery, 4-3
definition, 2-39	in Aviation, 4-6
G2/S2 responsibilities, 1-3	in CI and Counterreconnaissance, 4-7
general guidelines, B-4	in Electronic Warfare, 4-9
How To Do It, 2-40	in Intelligence, 4-14
in Air Defense, 2-2, 4-2	in NBC, 4-15
in an Engineer unit, 4-12	in operations other than war, 6-3 through 6-17
in Artillery, 4-4	in Signal Operations, 4-17
in Aviation, 4-6	in Special Operations, 4-18
in CI and Counterreconnaissance, 4-8	in Rear Area and CSS, 4-21
in Electronic Warfare, 4-10	Scenario 1, 3-19
in Intelligence, 4-14	Scenario 2, 3-48
in NBC, 4-16	Scenario 3, 3-61
in operations other than war, 6-3 through 6-18	Scenario 4, 3-84
in Signal Operations, 4-17	Step 3 of IPB process, 1-3
in Special Operations, 4-19	event matrix, 2-51, 3-54, 3-75
in Rear Area and CSS, 4-21	event template, 2-50, 3-33, 3-34, 3-37, 3-53, 3-74,
Scenario 1, 3-25	3-90, 4-21
Scenario 2, 3-51	F
Scenario 3, 3-72	foot march factors, B-26
Scenario 4, 3-89	force protection products, 1-13
Step 4 of IPB process, 1-3	friendly air overlay, 3-11
desert movement speeds, B-17	friendly light infantry overlay, 3-10
disaster relief, 6-1	frontages and depths
division conventional offense, 3-1	for units, B-22
doctrinal principles of IPB, 1-5	of objectives, B-22
doctrinal template examples, 3-69 through 3-71	Н
E	helipad and heliport requirements, B-13
economic analysis	high payoff target (HPT), 2-32
for engineer units, 4-11	high value target (HVT), 2-30, 2-33, 2-35, 2-49, 3-32
in NBC units, 4-15	humanitarian assistance, 6-1
for signal units, 4-16	I
for special operations units, 4-18	IEW functions, 1-13
in rear area and CSS units, 4-20	IEW tasks, 1-13
enemy air avenue of approach overlay, 3-14, 3-46	incident map. See situation map.
enemy organization examples, 3-62, 3-84	indications and warnings (I&W) products, 1-13
Evaluate the Threat See also IPB stens	maleadons and marmings (100 m) products, 1-13

intelligence cycle	mobility corridors, 2-18
IPB as essential element in, 1-13	obstacles, 2-14
intelligence preparation of the battlefield (IPB)	OCOKA, 2-10
at tactical, operational, and strategic levels, 5-1	L
through 5-6	lane widths on US military maps, B-16
doctrinal principles, 1-4	legal status overlay, 3-58
for operations other than war, 6-1	lines of communication overlay, 3-61
guidelines, B-1	link diagram, 3-66
How to Conduct IPB, 2-1	load-bearing capacities of ice, B-16
IEW tasks, 1-13	logistics infrastructure of the battlefield
products, 1-13	in engineer units, 4-11
What Is It, 1-1	in NBC units, 4-15
Who Conducts IPB, 1-3	in rear area and CSS units, 4-20
intelligence sources, 2-34, 2-38	logistics sustainability overlay, 3-59
intelligence synchronization, 1-11, A-1	M
matrix, 1-1, 1-12, A-14	march rates, B-17, B-31 through B-33
Intelligence System of Systems (ISOS), 1-13	
IPB and wargaming, 1-8, Appendix A	military aspects of terrain, 2-10, 2-21
DST and BOS synchronization matrix, 1-11	overlays, 1-2
IPB process	OCOKA, 2-10
abbreviated process, 2-53	mobility corridors, 2-18, 2-19, 3-6, 3-45
and collection management, 1-9	widths, B-16
and decision making, 1-6, 1-12	modified combined obstacle overlay (MCOO), 2-22.
and targeting, 1-9	See also IPB products.
application of, 4-1, 5-1	movement conversion rates, B-30
at operational and strategic levels, 5-1	movement planning speeds, B-27
scenarios, 3-1	N
IPB products, 1-13	noncombatant evacuation operations (NEO), 3-76,
disseminate, use, and refine, 3-38, 3-54, 3-75, 3-90	6-13
MCOO, 1-2	0
population status overlay, 1-2	obscurant effects, B-22
weather analysis matrix, 1-2	observation and fields of fire,
IPB steps	definition, 2-10
Define the Battlefield Environment, 1-1, 2-1, 3-3, 4-1, 5-1, 6-1, B-1	factor in analyzing terrain, 2-10, 2-12, 2-13 OCOKA, 2-10
Describe the Battlefield Effects, 1-2, 2-1, 3-5, 4-1,	obstacles
5-2, 6-2, B-2	definition, 2-14
Determine Threat COAs, 1-3, 2-2, 3-25, 4-2, 5-6,	entry zones, B-13
6-3, B-4	factor in analyzing terrain, 2-10, 2-14
Evaluate the Threat, 1-2, 2-1, 3-19, 4-2, 5-4, 6-3, B-3	obstacle-crossing capabilities, B-8
K	operational overlay, 3-13
key terrain	operations graphic, 3-3
classifications, 2-14 and 2-15	opposed rates of advance
constrictions, 2-18	brigades and below, B-29
examples of, 2-17	division, B-28
	,

FM 34-130

order of battle files, 2-34	in rear area and CSS units, 4-19
P	threat models, 2-30, 2-35, 3-23, 3-87, 3-88, 4-12, 4-21
pattern analysis plot sheet, 3-68, 3-86	time event chart, 3-63
peace enforcement, 6-15	treaties, agreements, and legal restrictions
peacekeeping operations, 6-5	for engineer units, 4-11
planning force ratios, B-38	U
population status overlay, 3-18, 3-57, 3-79	US style units
R	areas of occupation, B-37
rating cone index values, B-10	artillery, B-34
S	emplacement times, B-36
sewer systems overlay, 3-83	standard refueling packages for, B-37
shows of Force, 6-9	survivability positions, B-35
situation map, 3-85	V
situation development products, 1-13	vehicle speeds, B-17
situation template,2-47, 2-48, 3-19, 3-30, 3-31, 3-85,	W
3-89	wargaming, Appendix A
examples, 3-72, 3-73	DST and BOS synchronization matrix, 1-4, 1-11,
slope calculator, B-15	A-8, A-14
Soviet style units	example of, 1-8
deployment in an attack, B-23	mini-wargaming, A-9
dispersal intervals, B-25	responsibilities, 1-7, 1-9, 1-12, A-11
POL refill for, B-25	weather analysis, 1-2, 2-23, 3-16
reaction and march times, B-23	for artillery units, 4-3
tactical deployment norms for artillery, B-24	for aviation units, 4-5
tactical logistic elements, B-24	for EW units, 4-9
support for insurgencies and COIN, 6-16	for engineer units, 4-11
support to counter-drug operations, 6-3	for NBC units, 4-15
support to domestic civil authorities, 6-18	for signal units, 4-16
T	for special operations units, 4-18
tactical overlay, 3-12	in rear area and CSS units, 4-20
target development and target acquisition products,	military aspects of, 2-23
1-13, 2-30	weather analysis matrix. See IPB products.
target values, 3-23	weather effects, 2-26, 3-8, 3-16, B-19, B-21
targeting. See also IPB process.	on target acquisition, 3-17
application of IPB process, 1-9, 3-1, 4-1, 5-1	on military operations, 2-23, 2-24
terrain analysis	windchill factors, B-20
for artillery units, 4-3	wind speeds, B-24
for aviation units, 4-4	Z
for EW units, 4-9	zones of entry overlay, 3-80
for engineer units, 4-10	
for Intelligence units, 4-13	